

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 60-173538 (71)Applicant : SHARP CORP

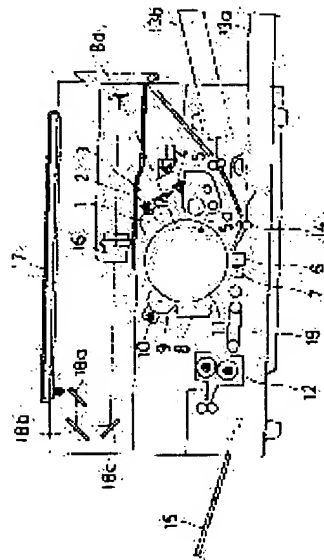
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(54) COPYING DEVICE

(57)Abstract:

PURPOSE: To securely destaticize electric charge on the electrostatically charged paper by discriminating the density of an original and the bias current quantity in a developing unit, in the whole image area for every short-section and impressing a DC constituent to an AC voltage impressed to a destaticizing charger according to the current quantity.

CONSTITUTION: The developing unit sticks toner on an electrostatic latent image formed on a PET surface to form the toner image. When the negative charged toner sticks to the positively charged electrostatic latent image formed on the PET surface, the bias current flows through a circuit impressing a direct bias to a magnetic roller. This current value corresponds to the charge quantity of sticking toner. The toner image can be transferred to a copying paper through the use of positive corona discharge from the copying paper, which is obtained by impressing the positive electric charge to a transfer charger 6 after the copying paper is brought into contact with the PET surface. With respect to the AC corona



discharge by the destaticizing charger 7, the DC bias is impressed according to the bias current quantity in the developing unit, whereby the electric charge is completely destaticized.

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